TABLE 1. List of all liquids studied providing relevant references and information such as glass transition temperature, T_g, and intervals for quantities characterizing the data: the activation energy temperature index, $I_{\Delta E} \equiv |d\ln(\Delta E)/d\ln(T)|$; temperature T; maximum dielectric loss $\log(\varepsilon''_{max})$; and minimum slopes of the log-log plot of the loss $|\alpha_{min}|$.The data listed bellow can be obtained from the "Glass and Time: Data repository", found online at http://glass.ruc.dk/data.

Liquid	**Abbreviation**	**T_g (K)**	**Intervals**				Symbol **and ref.**
			$I_{\Delta E}$	T (K)	$log\varepsilon''_{max}$	$\lvert\alpha_{min}\rvert$	
1,1'-bis (methoxyphenyl)-cyclohexane	BPC	212	3.67; 3.67	338; 362	0.258; 0.321	0.41; 0.5	◊ [6]
1,2-propanediol	PG	168 [1]	1.16; 1.56]	180; 205	1.3; 1.375	0.66; 0.69	◁ this work
1,3-propane diol	13PD	167 [2]	0.73; 1.13	165; 189	1.419; 1.477	0.73; 0.75	● this work
2,3-dimethyl-pentane	2,3-DMP	87.5	1.78; 1.78	98; 99	−1.971; −1.967	0.43; 0.44	▽ [3]
2,3-epoxy-propyl-phenylether	23EPPPE	193	3.74; 3.79	196; 200	0.483; 0.522	0.55; 0.55	▷ this work
2,4,6-trimethyl-heptane	246TMH	123	2.51; 2.51	134; 135	−2.025; −2.024	0.35; 0.36	◊ [3]
2-methyl-pentane-2,4-diol	2MP24D	187	3.2; 3.5	210; 232	−0.28; −0.202	0.39; 0.49	○ this work
2-methyl-tetrahydrofuran	MTHF	91	2.77; 3.66	91; 103	0.776; 0.815	0.5; 0.51	▽ this work
2-phenyl-5-acetomethyl-5-ethyl- 1,3-dioxocyclo-hexane	APED	222 [4]	2.69; 3.23	220; 240	0.357; 0.397	0.46; 0.49	▽ this work
2-picoline	2pic	130	3.17; 3.26	135; 141	0.618; 0.658	0.52; 0.55	▷ [5]
3-fluoro -aniline	3FA	172 [14]	5.1; 5.1	235; 239	−0.135; −0.121	0.46; 0.48	□ [8]
3-methyl-heptane	3MH	97	1.78; 1.78	109; 110	−2.477; −2.477	0.27; 0.27	● [3]
3-methyl-pentane	3MP	79	1.97; 1.97	88; 89	−2.283; −2.281	0.36; 0.38	∗ [3]
4-methyl-	4MH	99	1.63; 1.98	111; 114	−2.004; −1.995	0.48; 0.49	⋆

TABLE I – continued from previous page

Liquid	**Abbreviation**	**T_g (K)**	**Intervals**				Symbol **and ref.**
			$I_{\Delta E}$	T (K)	$log\varepsilon''_{max}$	$\lvert\alpha_{min}\rvert$	
heptane							[3]
4-tertbuthyl-pyridine	4TBP	166	2.32; 13.79	164; 177	0.566; 0.602	0.52; 0.54	△ [9]
4,7,10-trioxatridecane-1,13- diamine	TOTDA	108	4.45; 4.45	177; 181	0.356; 0.401	0.33; 0.38	◁ this work
5-polyphenyl-ether	PPE	248	4.04; 4.24	252; 264	−0.258; −0.214	0.5; 0.51	∗ [10]
α-phenyl-o-cresol	PoC	219	4.01; 4.01	220; 228	0.011; 0.032	0.46; 0.47	∗ this work
benzophenone	BP	212	3.59; 3.66	215; 230	0.56; 0.647	0.55; 0.58	□ [12]
biphenyl-2yl-isobutylate	BP2IB	210 [4]	1.86; 2.03	190; 200	1.232; 1.253	0.66; 0.68	∗ this work
butyronitrile	But	95	1.91; 1.91	98; 116	1.061; 1.121	0.59; 0.67	+ [13]
decahydro-isoquinoline	DHIQ	180 [15]	7.13; 7.13	180; 185	−0.626; −0.599	0.1; 0.25	□ [10, 15]
dibutyl-ammonium-formide	DBAF	153	1.14; 2.22	162; 185	1.127; 1.218	0.67; 0.69	▷ [28]
dibutyl phthalate	DBP	177	2.6; 3.07	178; 192	0.301; 0.348	0.48; 0.51	∗ this work
di-*iso*-butyl phthalate	DisoBP	191 [14]	1.65; 2.94	201; 221	−0.06; −0.016	0.39; 0.5	+ this work
dicyclohexyl -methyl-2-methyl-succinate	DCMMS	220	2.8; 3.41	224; 240	0.381; 0.411	0.49; 0.5	▽ [16]
dicyclohexyl -2-methyl-succinate	DCHMS	222 [4]	2.11; 2.64	218; 230	−0.05; −0.041	0.37; 0.38	• this work
diethyl phthalate	DEP	187 [14]	2.93; 2.93	183; 192	0.375; 0.412	0.49; 0.5	○ this work
diglycidyl-ether of bisphenol A (epoxy-resin)	ER	259	3.67; 3.67	338; 362	0.258; 0.321	0.41; 0.5	◇ [17]
dioctyl phthalate	DOP	189 [18]	1.35; 2.21	190; 220	0.168; 0.205	0.5; 0.53	◇ this work
dipropylene-dimethyl-glycol-dimethylether	DPGDME	137 [19]	3.52; 3.52	139; 151	0.327; 0.373	0.45; 0.48	▷ this work

TABLE I – continued from previous page

Liquid	**Abbreviation**	**T_g (K)**	**Intervals**				Symbol **and ref.**
			$I_{\Delta E}$	T (K)	$log\varepsilon''_{max}$	$\lvert\alpha_{min}\rvert$	
ethylene glycol glycol	EG	152	2.64; 2.64	158; 165	1.354; 1.364	0.63; 0.67	+ [27]
glycerol	Gly	193 [2]	1.29; 1.77	192; 236	1.317; 1.401	0.57; 0.62	⋆ [20]
isoeugenol		220	2.85; 2.99	225; 248	0.085; 0.104	0.46; 0.49	× this work
isopropyl-benzene (cumene)	Cumene	126	3.01; 3.05	135; 139	−0.951; −0.948	0.49; 0.51	△ this work
methyl-m-toluate	MMT	165	2.42; 2.6	173; 189	0.371; 0.397	0.49; 0.55	◊ this work
n-ε-methyl-caprolactam	nMC	172 [32]	1.45; 1.45	186; 196	0.778; 0.816	0.59; 0.62	△ this work
n-propyl-benzene	nPB	122 [14]	2.05; 2.7	127; 137	−0.902; −0.878	0.54; 0.63	⋆ this work
phenol-phthalein-dimethylether	PDE	295 [7]	3.61; 4.04	301; 325	0.808; 0.833	0.6; 0.68	◁ [22]
phenylsalicate (salol)	Salol	215 [23]	3.2; 4.53	177; 187	0.793; 0.834	0.46; 0.48	× [5]
polypropylene-glycol 400	PPG	73	1.9; 3.19	200; 226	0.436; 0.556	0.4; 0.48	+ [20]
propylene carbonate	PC	160	3.4; 4.22	162; 170	1.699; 1.703	0.63; 0.65	× [24]
salicyl-salicylic acid	SSA	279 [25]	3.1; 3.1	305; 308	−0.243; −0.238	0.23; 0.23	× this work
sorbitol	Sor	268 [14]	6.12; 6.12	268; 273	0.895; 0.959	0.26; 0.3	□ this work
sucrose-benzoate	SB	337	2.47; 3.96	343; 373	−0.461; −0.373	0.35; 0.41	○ [26]
tetraphenyl-tetramethyl-trisiloxane	DC704	211	3.93; 3.93	211; 219	−1.148; −1.109	0.48; 0.48	◁ [10]
tricresyl-phosphate	TCP	211	2.5; 3.29	214; 236	0.33; 0.356	0.56; 0.58	□ [11]
trimethyl-pentaphenyl trisiloxane	DC705	230	3.81; 3.81	233; 235	−1.203; −1.191	0.49; 0.5	○ this work
trimethyl phosphate	3MPh	136	2.7; 3.51	141; 150	1.104; 1.214	0.55; 0.56	◁ [9]
triphenyl phosphite	TPP	204	5.08; 5.08	204; 208	−0.493; −0.479	0.48; 0.49	× [20]

TABLE I – continued from previous page

Liquid	**Abbreviation**	**T_g (K)**	**Intervals**				Symbol **and ref.**
			$I_{\Delta E}$	T (K)	$log\varepsilon''_{max}$	$\lvert\alpha_{min}\rvert$	
triphenyl-ethylene	TPE	249 [29]	3.72; 3.72	256; 258	−1.866; −1.856	0.46; 0.49	○ [10]
toluene-pyridine mixture	TolPyr	123 [30]	5.16; 6.1	126; 131	0.597; 0.698	0.28; 0.44	△ [31]
xylitol	Xylitol	248 [14]	3.29; 3.98	254; 266	1.019; 1.065	0.28; 0.34	● this work

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